

FIG. 1

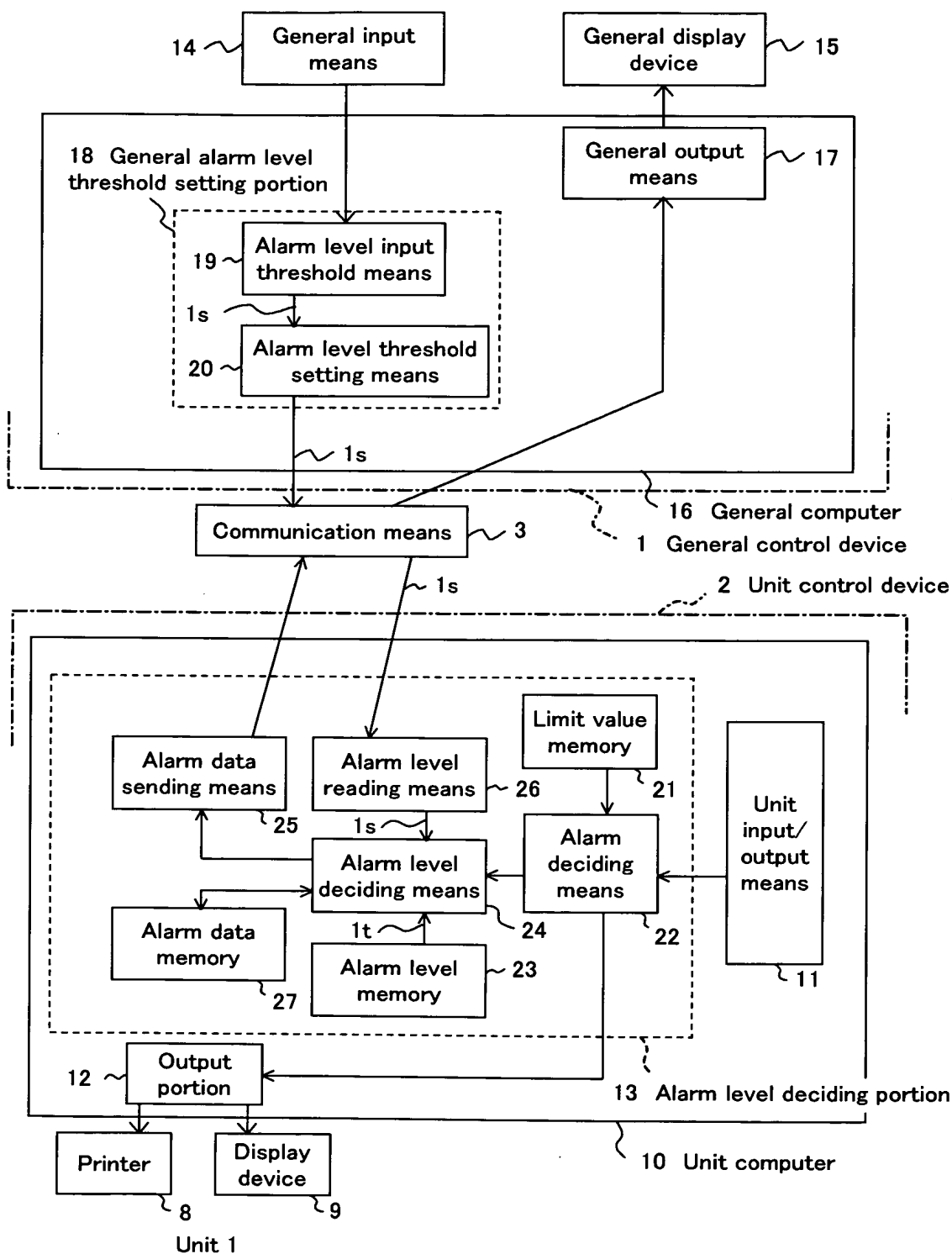


FIG. 2

Alarm date & time	Unit No.	Point ID	Point name	Alarm cond. information	Alarm level
1999/1/11 13:59	1	1A059	XXXXXXXXXXXXXX	> 50	4
1999/1/11 14:01	1	1B156	YYYYYYYYYYYYY	> 25	2
1999/1/11 14:10	1	1B000	SSSSSSSSSSSSS	< 0	1
1999/1/12 00:03	1	1A087	ZZZZZZZZZ	> 550	6
⋮	⋮	⋮	⋮	⋮	⋮

FIG. 3

Alarm date & time	Unit No.	Point ID	Point name	Alarm cond. information	Alarm level
1999/1/11 13:59	1	1A059	XXXXXXXXXXXXXX	> 50	4
1999/1/11 14:01	1	1B156	YYYYYYYYYYYYY	> 25	2
1999/1/11 14:10	1	1B000	SSSSSSSSSSSSS	< 0	1
1999/1/12 00:03	1	1A087	ZZZZZZZZZ	> 550	6
1999/1/12 02:15	1	1A100	Main steam temperature	> 580	1
⋮	⋮	⋮	⋮	⋮	⋮

FIG. 4

<Alarm message>			<Alarm monitoring level threshold>			
			Unit #1	None	Unit #2	None
			Unit #3	None	Unit #4	None
1999/1/11 13:59	1	1A059	XXXXXXXXXXXXXX	76	> 50	
1999/1/11 14:01	1	1B156	YYYYYYYYYYYYY	26	> 25	
1999/1/11 14:02	3	3B150	UUUUUUU	11	< 20	
1999/1/11 14:02	2	2C000	CCCCCCCC		ON	
1999/1/11 14:10	1	1B000	SSSSSSSSSSSSS	-11	< 0	
1999/1/11 15:12	3	3A000	PPPPPP	52	> 50	
1999/1/12 00:03	1	1A087	ZZZZZZZZZ	596	> 550	
1999/1/12 02:15	1	1A100	Main steam temperature	595	> 580	

FIG. 5

<Alarm message>		<Alarm monitoring level threshold>			
		Unit #1	3	Unit #2	None
		Unit #3	None	Unit #4	None
1999/1/11 14:01	1	1B156	YYYYYYYYYYYY	26	>25
1999/1/11 14:02	3	3B150	UUUUUUUU	11	<20
1999/1/11 14:02	2	2C000	CCCCCCCC	ON	
1999/1/11 14:10	1	1B000	SSSSSSSSSSSS	-11	<0
1999/1/11 15:12	1	3A000	PPPPPP	52	>50
1999/1/12 02:15	1	1A100	Main steam temperature	595	>580

FIG. 6

<Alarm message>		<Alarm monitoring level threshold>			
		Unit #1	1	Unit #2	None
		Unit #3	1	Unit #4	None
1999/1/11 14:02	2	2C000	CCCCCCCC	ON	
1999/1/11 14:10	1	1B000	SSSSSSSSSSSS	-11	<0
1999/1/12 02:15	1	1A100	Main steam temperature	595	>580

FIG. 7

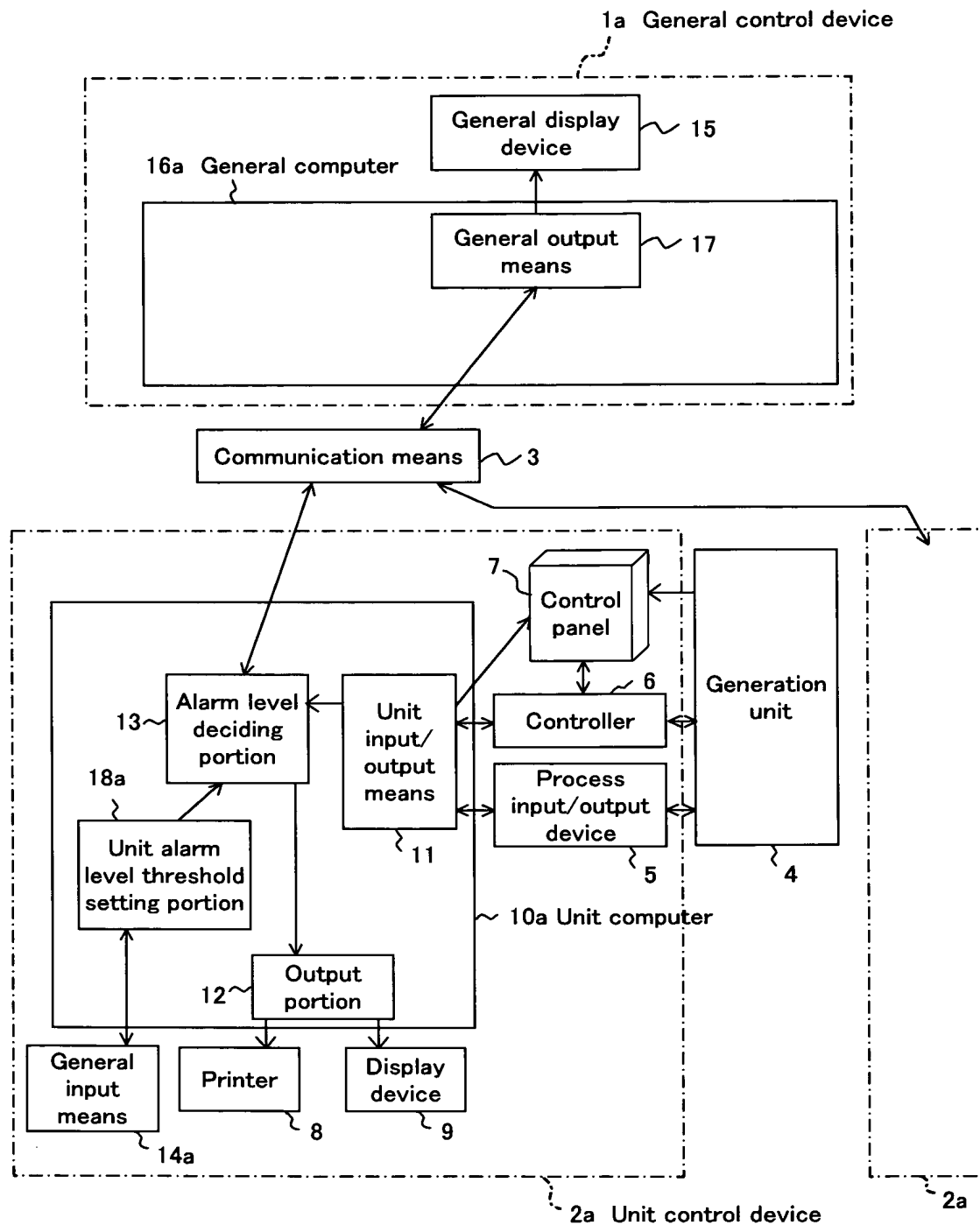


FIG. 8

Title: SYSTEM AND METHOD FOR
OPERATING A PLURALITY OF
POWER GENERATION STATIONS

Inventor(s): Hiroshi FUKUDA et al.

DOCKET NO.: 065905/0223

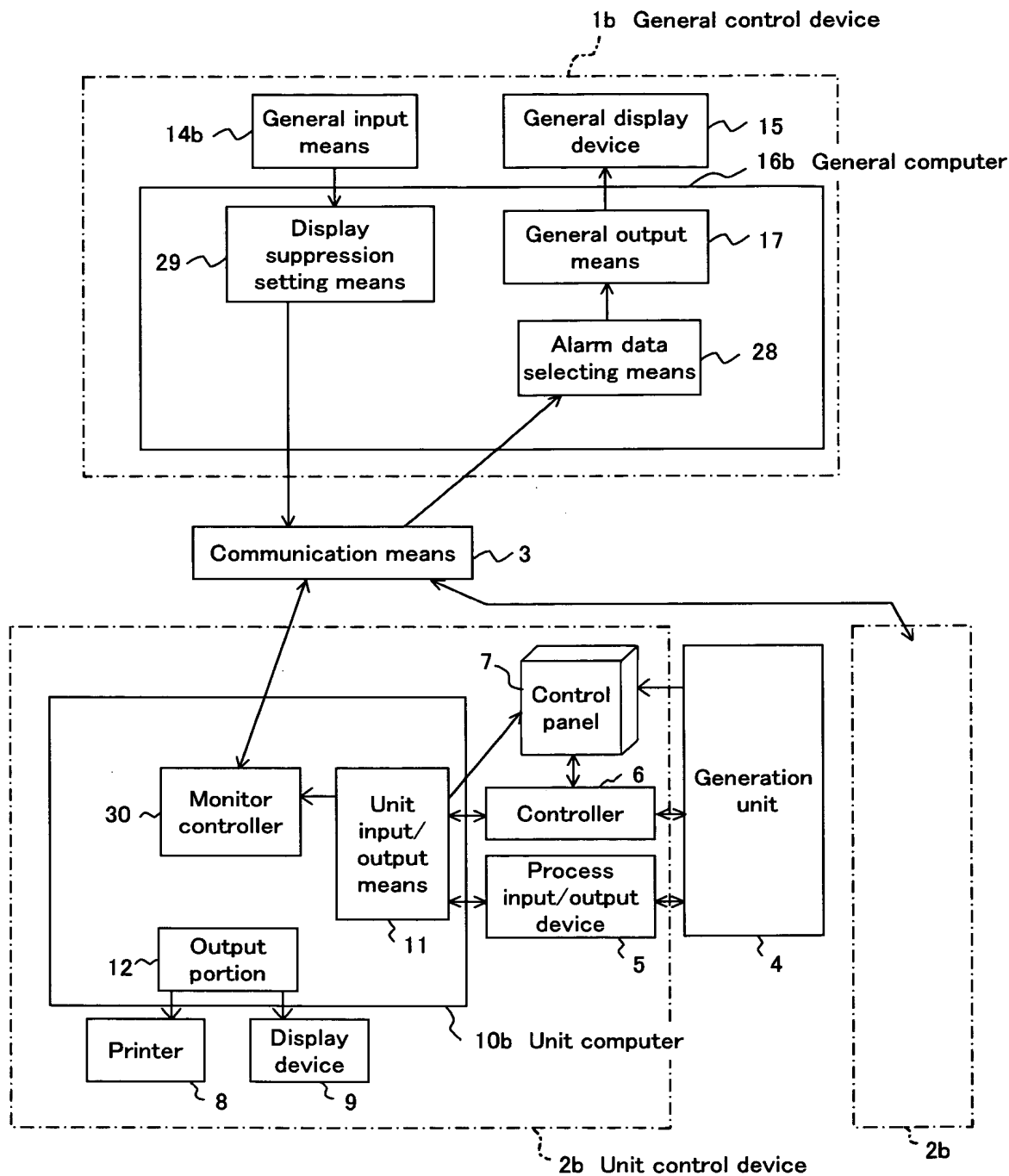


FIG. 9

Alarm date & time	Unit No.	Point ID	Point name	Alarm cond. information	Display suppression index
1999/1/11 13:59	1	1A059	XXXXXXXXXXXXXX	> 50	0
1999/1/11 14:01	3	1B156	YYYYYYYYYYYYYY	> 25	0
1999/1/11 14:10	2	1B000	SSSSSSSSSSSSSS	< 0	0
1999/1/12 00:03	2	1A087	ZZZZZZZZZZ	> 550	0
1999/1/12 00:03	3	1D000	PPPPPPPPPP	< -50	0
:	:	:	:	:	:

FIG. 10

Alarm date & time	Unit No.	Point ID	Point name	Alarm cond. information	Display suppression index
1999/1/11 13:59	1	1A059	XXXXXXXXXXXXXX	> 50	0
1999/1/11 14:01	3	1B156	YYYYYYYYYYYYYY	> 25	0
1999/1/11 14:10	2	1B000	SSSSSSSSSSSSSS	< 0	1
1999/1/12 00:03	2	1A087	ZZZZZZZZZZ	> 550	0
1999/1/12 00:03	3	1D000	PPPPPPPPPP	< -50	0
:	:	:	:	:	:

FIG. 11

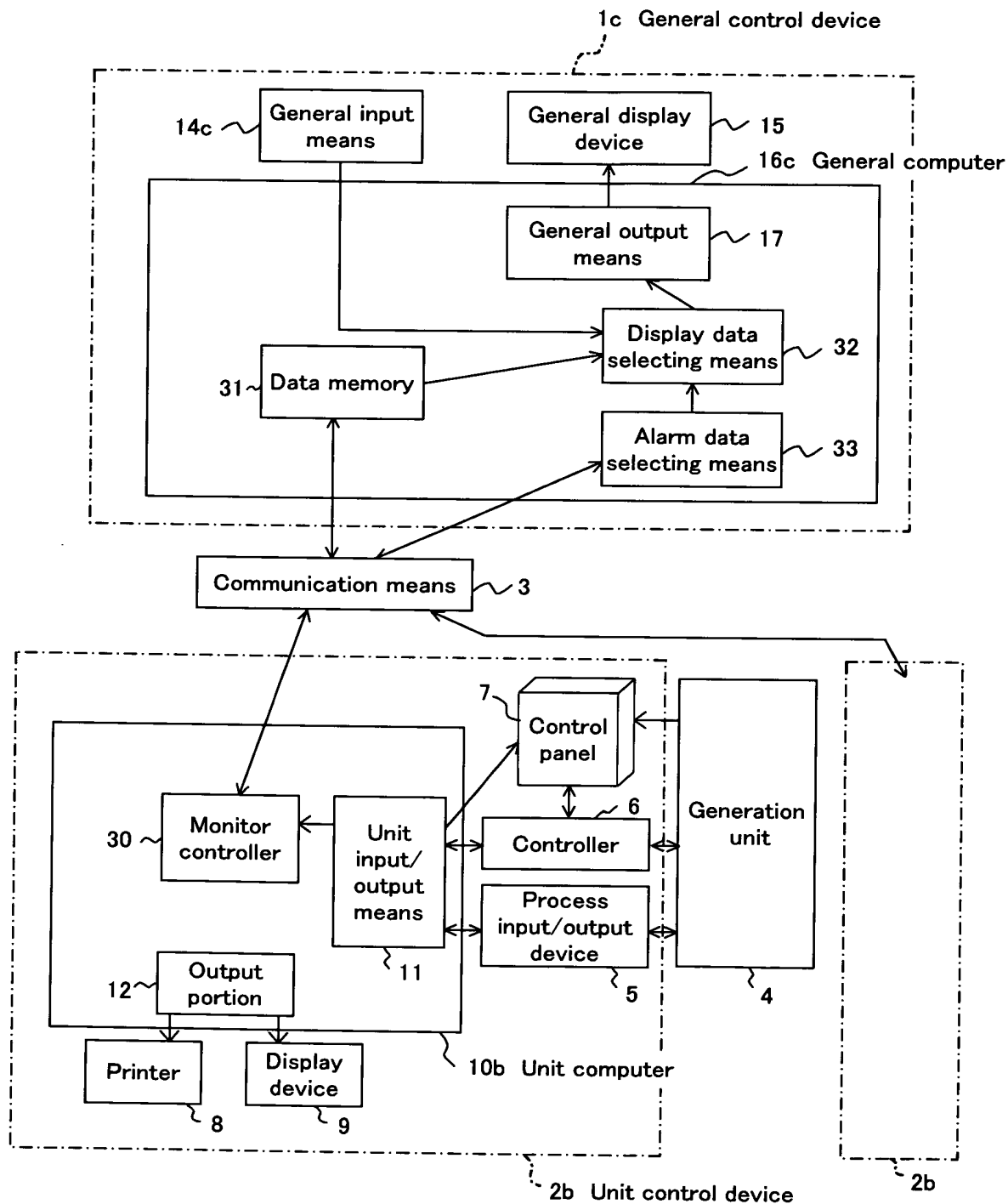


FIG. 12

Alarm information of Unit 1		
Alarm date & time	Point ID	Alarm cond. information
1999/1/11 13:59	1A059	> 50
1999/1/11 14:01	1B156	> 25

Alarm information of Unit 2		
Alarm date & time	Point ID	Alarm cond. information
1999/1/11 14:10	2B000	< 0
1999/1/12 0:03	1B156	Returning to Normal

FIG. 13

Request for alarm display

1 : Units in starting/stopping operation phase
2 : Units in out-of-operation phase
3 : Units in normal operation phase

Input a request number ()

FIG. 14

Unit No.	Starting/stopping operation phase deciding signal	Out-of-operation phase deciding signal	Rated operation phase deciding signal
Unit 1	1Z200	1Z201	1Z210
Unit 2	2Z200	2Z201	2Z210
Unit 3	3Z200	3Z201	3Z210
Unit 4	4Z200	4Z201	4Z210

FIG. 15

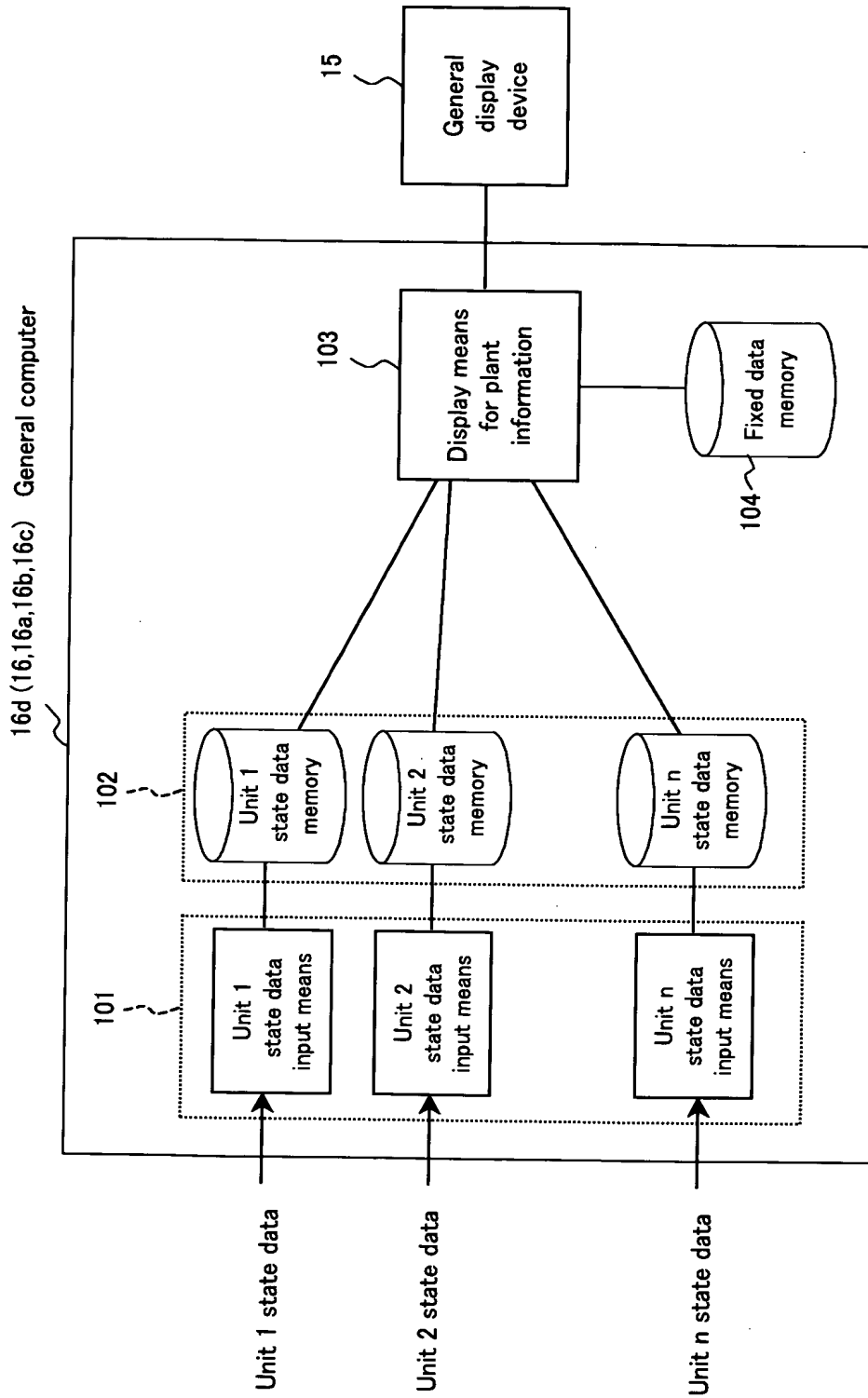


FIG. 16

Common data	Number of units
Unit 1 data	Operation mode
	Name
	Licensed output power
	Display location
	Alarm data location
	Alarm decision logic number
	Output power data location
	Operation phase data location
Unit 2 data	Operation mode
	Name
	Licensed output power
	Display location
	Alarm data location
	Alarm decision logic number
	Output power data location
	Operation phase data location
Unit n data	⋮
	Operation mode
	Name
	Licensed output power
	Display location
	Alarm data location
	Alarm decision logic number
	Output power data location
	Operation phase data location

FIG. 17

Display pattern No.	Condition 1 Operation mode	Condition 2 Alarm cond.	Condition 3 Operation phase	Display specification		
	0: Base load operation 1: DSS,WSS 2: Seasonal	0: Normal 1: Alarm	0: Out-of-operation 1: In operation	Shape	Color	Flicker
0	0	0	0	Shape 1	Gray	No
1	0	0	1	Shape 1	Green	No
2	0	1	0	Shape 1	Gray	Yes
3	0	1	1	Shape 1	Red	Yes
4	1	0	0	Shape 2	Gray	No
5	1	0	1	Shape 2	Green	No
6	1	1	0	Shape 2	Gray	Yes
7	1	1	1	Shape 2	Red	Yes
8	2	0	0	Shape 3	Gray	No
9	2	0	1	Shape 3	Green	No
10	2	1	0	Shape 3	Gray	Yes
11	2	1	1	Shape 3	Red	Yes

FIG. 18

Unit 1	Data location of display parameter 1 in out-of-operation
	Data location of display parameter 2 in out-of-operation
	Data location of display parameter 1 in operation
	Data location of display parameter 2 in operation
Unit 2	Data location of display parameter 1 in out-of-operation
	Data location of display parameter 2 in out-of-operation
	Data location of display parameter 1 in operation
	Data location of display parameter 2 in operation
	⋮
Unit n	Data location of display parameter 1 in out-of-operation
	Data location of display parameter 2 in out-of-operation
	Data location of display parameter 1 in operation
	Data location of display parameter 2 in operation

FIG. 19

Unit 1	Data location of display parameter 1 in alarm cond.
	Data location of display parameter 2 in alarm cond.
	Data location of display parameter 3 in alarm cond.
	Data location of display parameter 4 in alarm cond.
Unit 2	Data location of display parameter 1 in alarm cond.
	Data location of display parameter 2 in alarm cond.
	Data location of display parameter 3 in alarm cond.
	Data location of display parameter 4 in alarm cond.
	⋮
Unit n	Data location of display parameter 1 in alarm cond.
	Data location of display parameter 2 in alarm cond.
	Data location of display parameter 3 in alarm cond.
	Data location of display parameter 4 in alarm cond.

FIG. 20

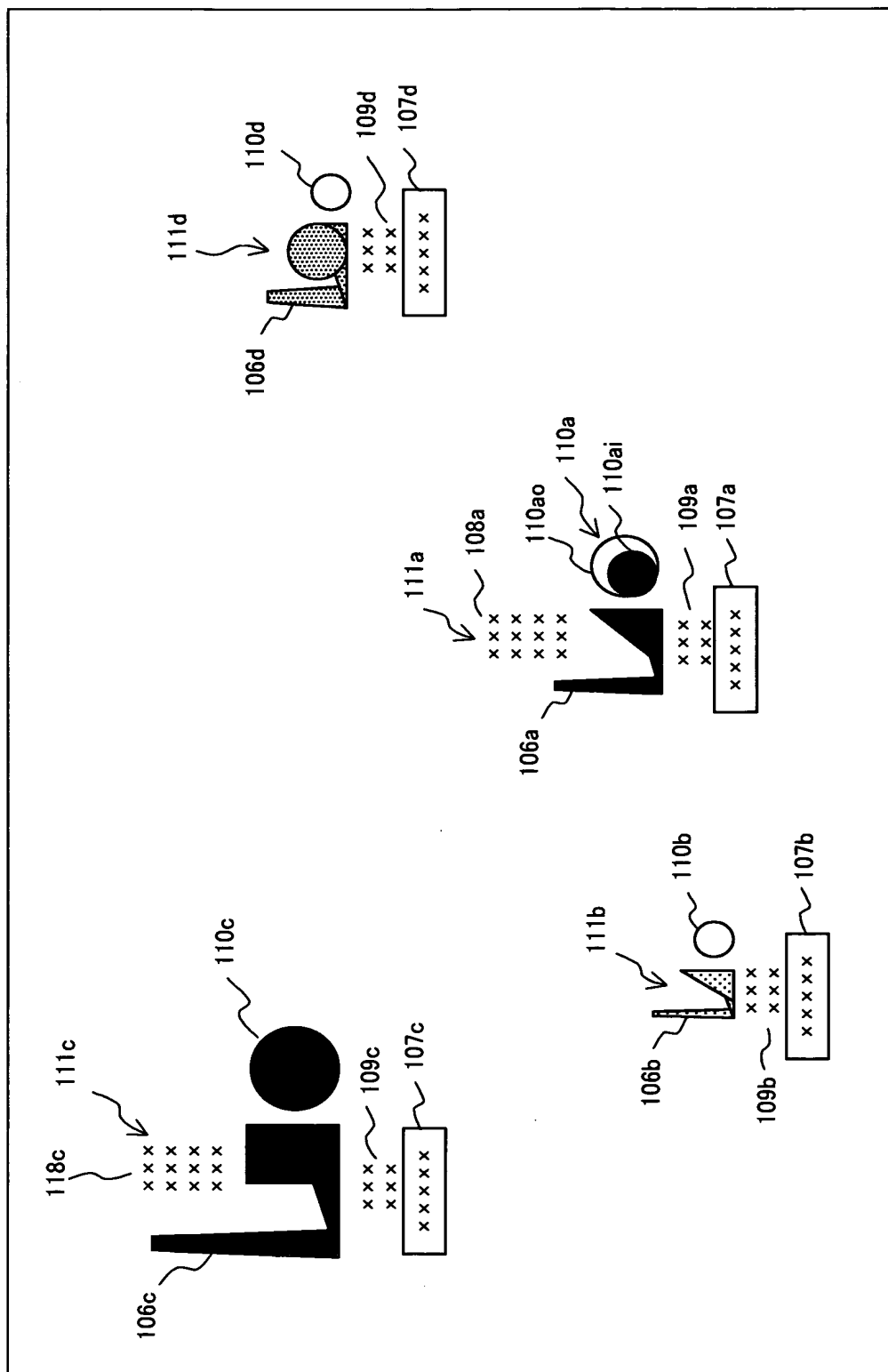
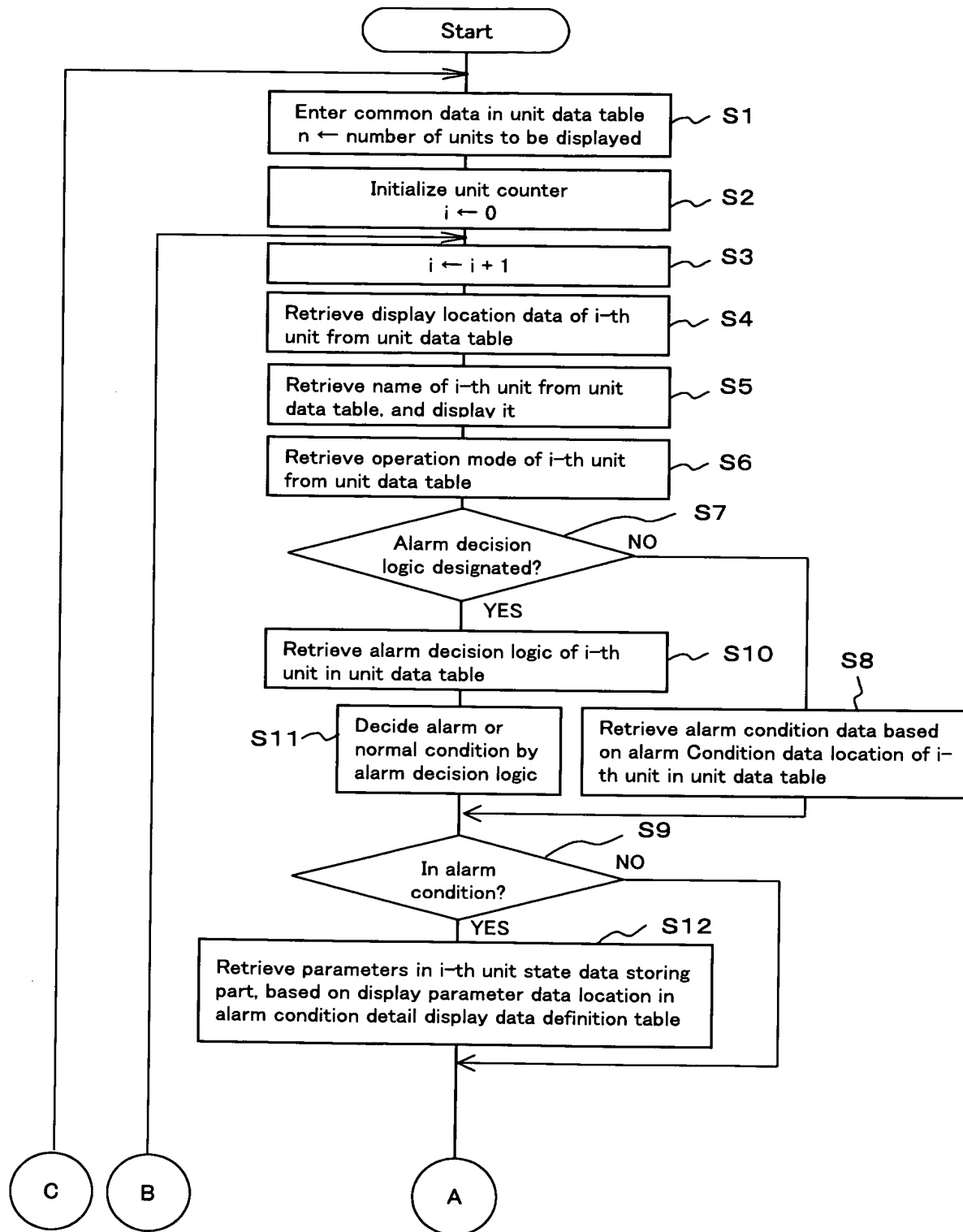


FIG. 21



(Cont. on second sheet)

FIG. 22

(Cont. from first sheet)

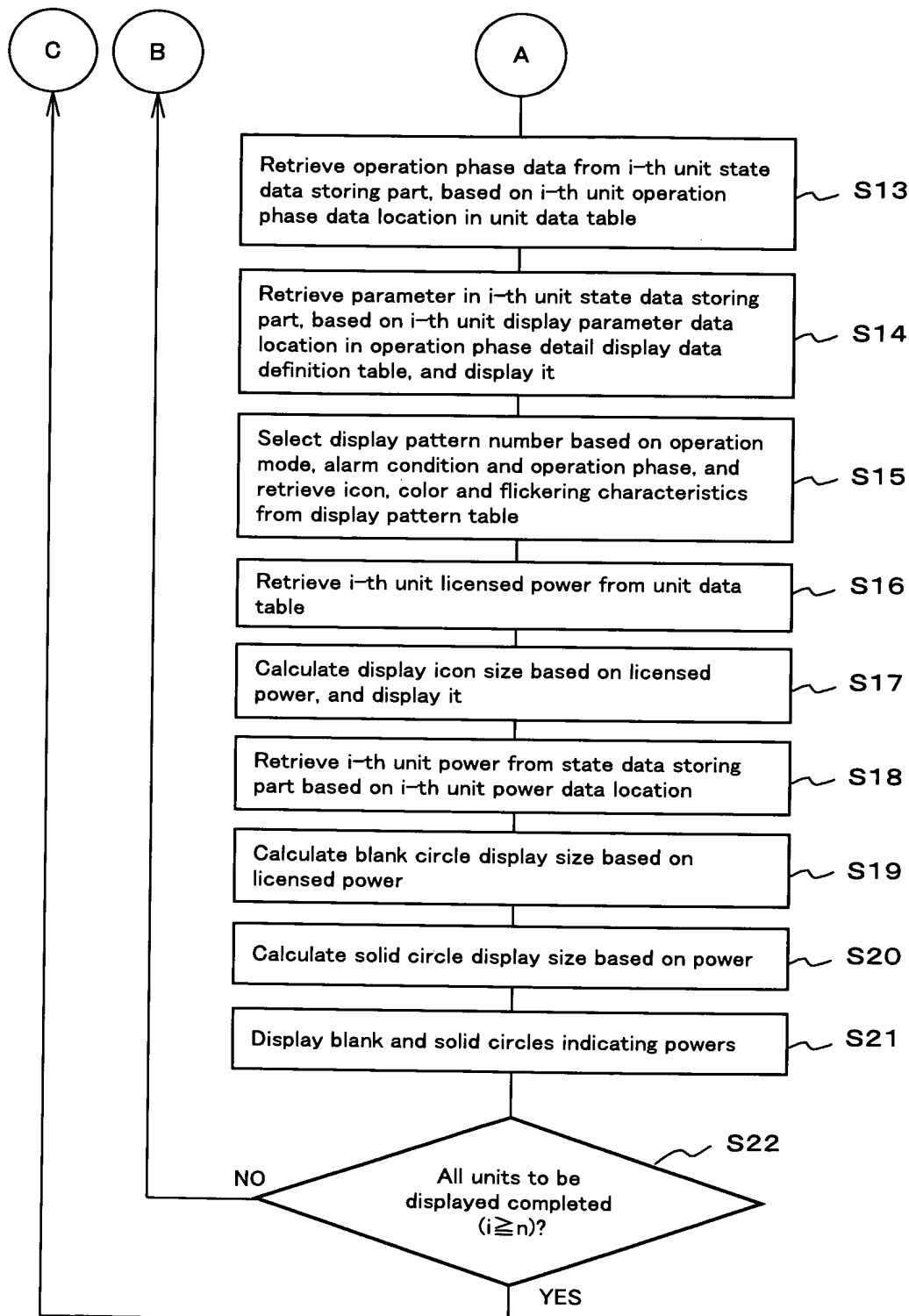


FIG. 22 (Cont.)

Group 1 definition data

Number of displayed groups
Shape No. of Group 1
Display location of Group 1
Name of Group 1
Unit 1
Unit 2
Unit 3
Unit 4

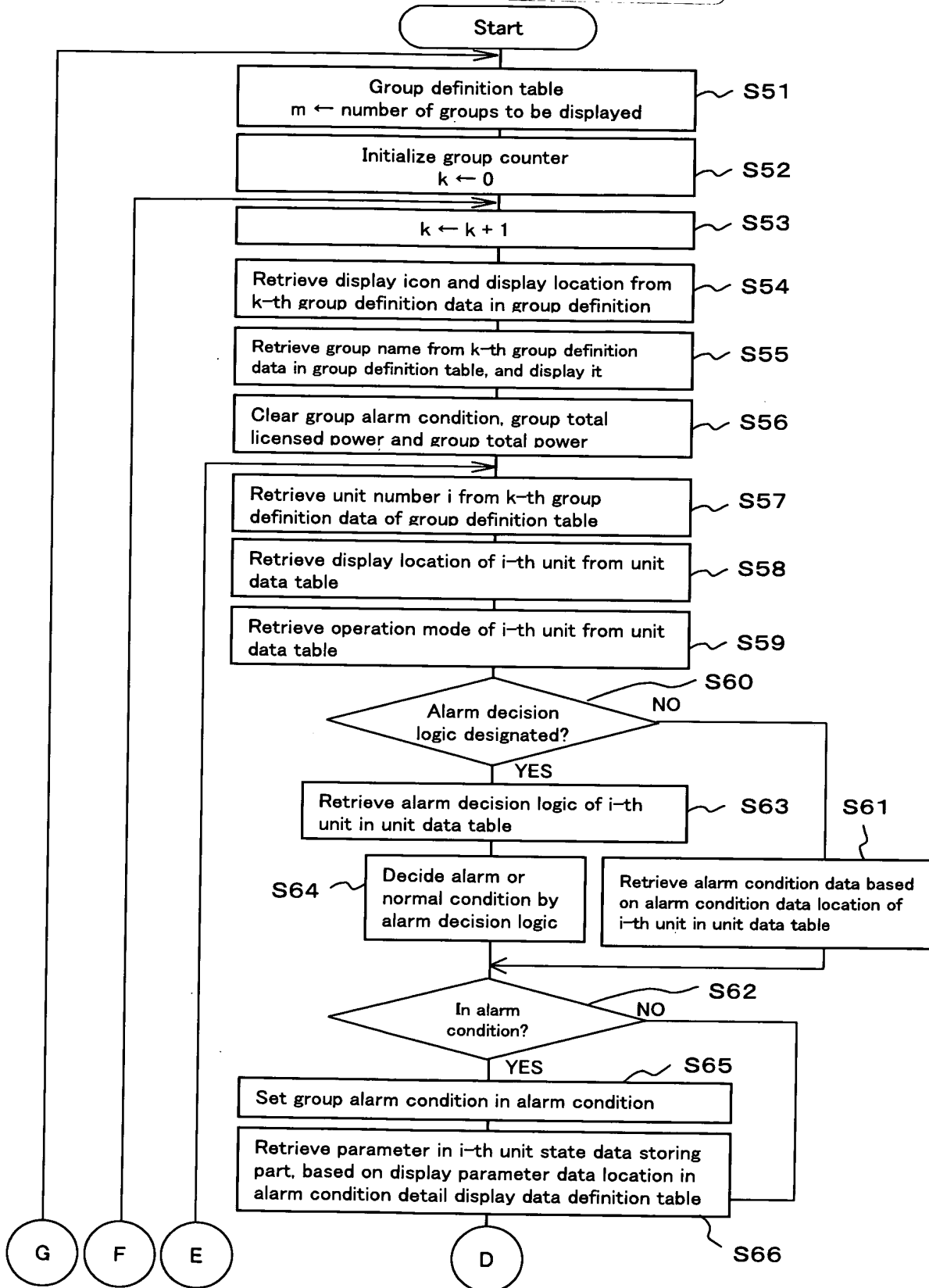
Group 2 definition data

Shape No. of Group 2
Display location of Group 2
Name of Group 2
Unit 5
Unit 6
Unit 7
Unit 8
⋮

Group m definition data

Shape No. of Group m
Display location of Group m
Name of Group m
Unit a
Unit b
Unit c
Unit d

FIG. 23



(Cont. on second sheet)

FIG. 24

(Cont. on second sheet)

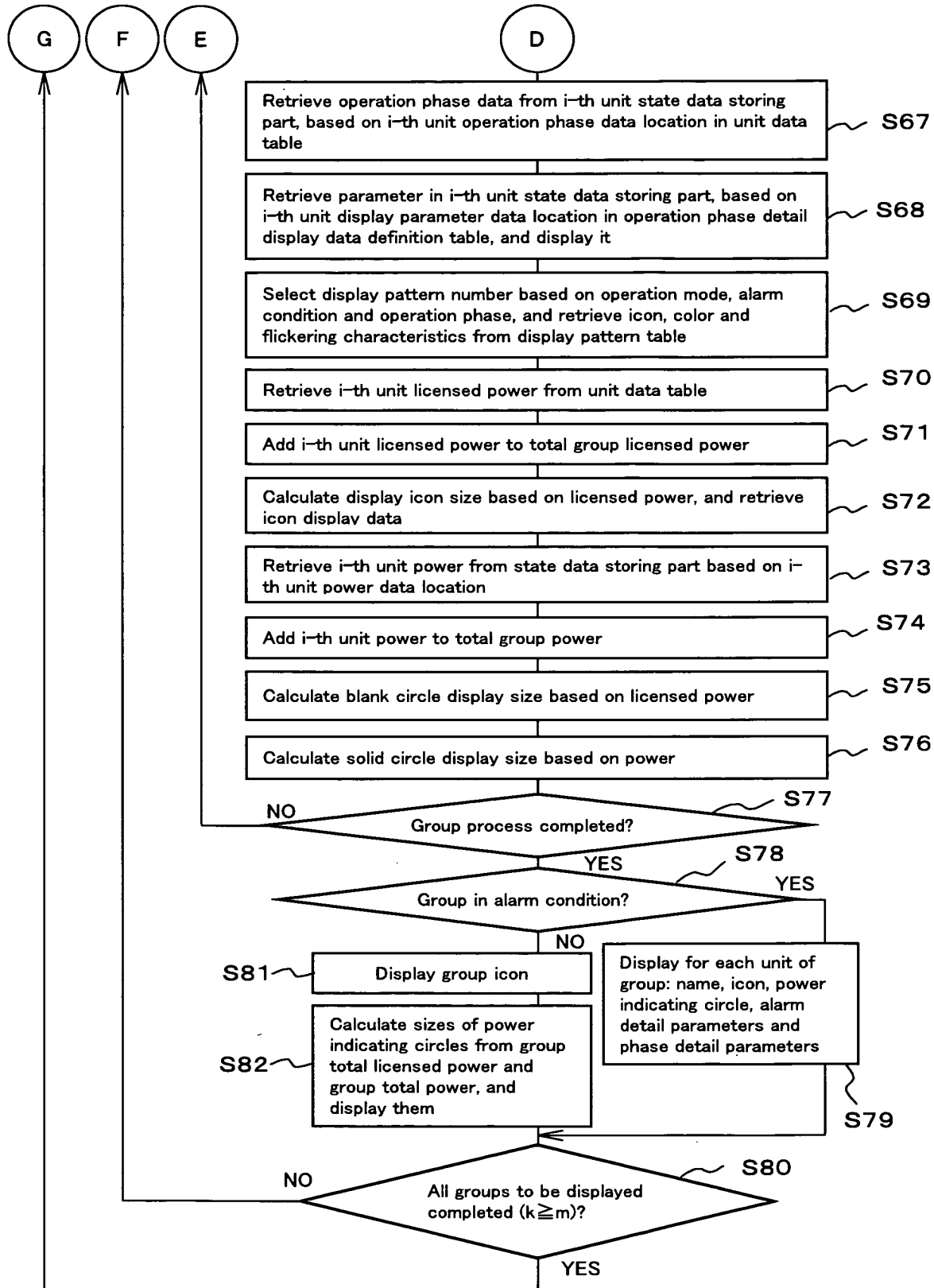


FIG. 24(Cont.)

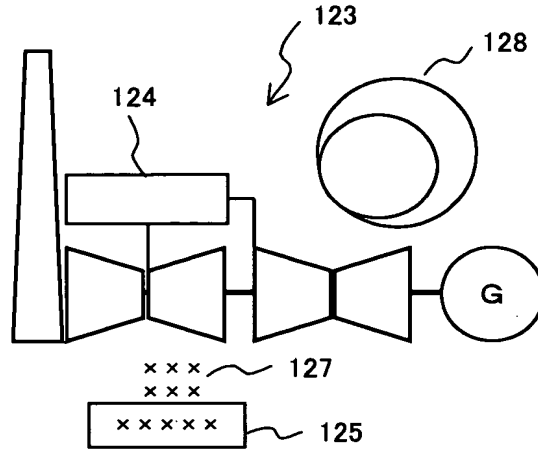


FIG. 25

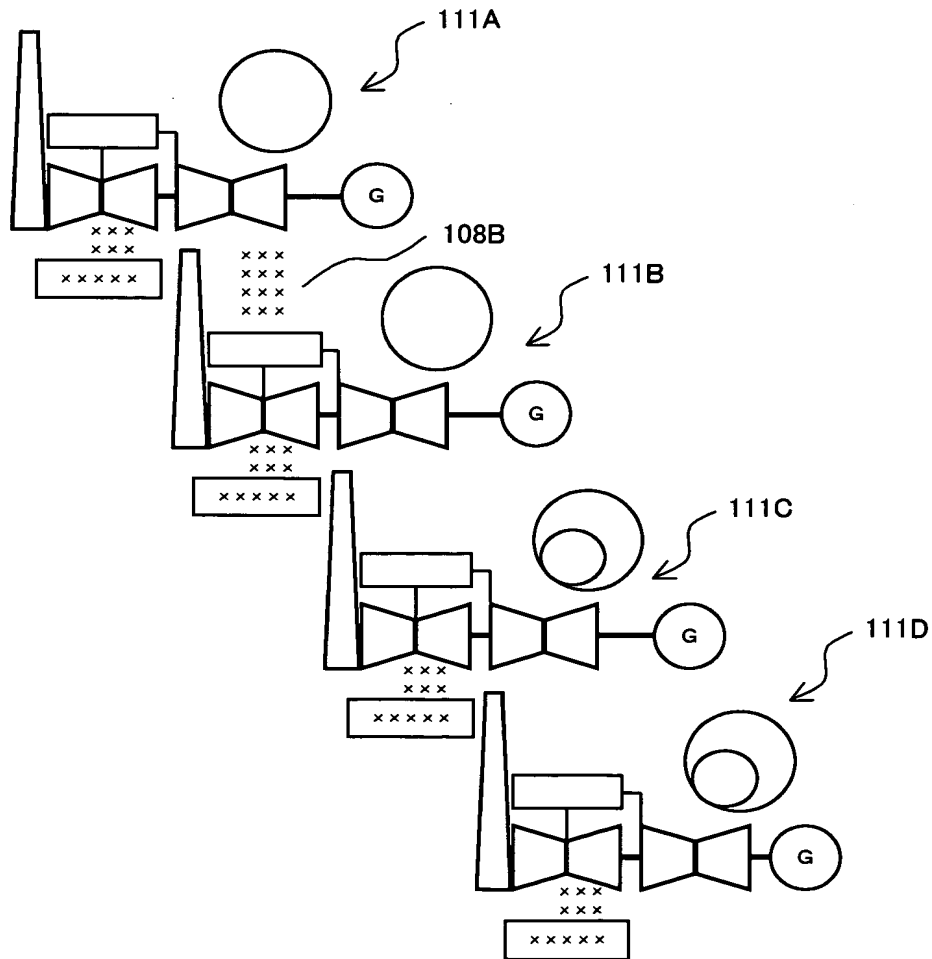


FIG. 26